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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,224	06/28/2005	Laurence E. Allen III	10887-010US2	2121
26181 FISH & RICH	7590 07/11/200 ARDSON P.C.	EXAM	UNER	
PO BOX 1022 MINNEAPOLIS, MN 55440-1022			HAGEMAN, MARK	
			ART UNIT	PAPER NUMBER
			3653	
			MAIL DATE	DELIVERY MODE
			07/11/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)	
10/511,224	ALLEN III ET AL.	
Examiner	Art Unit	
Mark Hageman	3653	

The MAILING DATE of this communication appears on the cover sheet with the correspondence address

Period fo		is on the cover sheet with the correspondence address				
WHIC - Exter after - If NO - Failu Any	CHEVER IS LONGER, FROM THE MAILING DAT nsions of time may be available under the provisions of 37 CFR 1.136(a SIX (6) MONTHS from the mailing date of this communication.	In no event, however, may a reply be timely filed apply and will expire SIX (6) MONTHS from the mailing date of this communication. use the application to become ABANDONED (35 U.S.C. § 133).				
Status						
1)⊠	Responsive to communication(s) filed on 12 Octo	ober 2004.				
2a)□	This action is FINAL. 2b) ☐ This act	ction is non-final.				
3)□	e except for formal matters, prosecution as to the merits is parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
4)🖂	Claim(s) 15-71 is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
	5) Claim(s) is/are allowed.					
	Claim(s) is/are rejected.					
	Claim(s) is/are objected to.	- Maria and a second				
8)[2]	Claim(s) <u>15-71</u> are subject to restriction and/or el	ection requirement.				
Applicat	ion Papers					
9)	The specification is objected to by the Examiner.					
10)	The drawing(s) filed on is/are: a)☐ accept	ted or b)⊡ objected to by the Examiner.				
	Applicant may not request that any objection to the dra	.,				
		is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11)	The oath or declaration is objected to by the Exan	niner. Note the attached Office Action or form PTO-152.				
Priority ι	ınder 35 U.S.C. § 119					
	Acknowledgment is made of a claim for foreign pr ☐ All b)☐ Some * c)☐ None of:					
	1. Certified copies of the priority documents h					
	2. Certified copies of the priority documents h					
	 Copies of the certified copies of the priority application from the International Bureau (F 	documents have been received in this National Stage				
* 0	See the attached detailed Office action for a list of	. "				
Coo the attached detailed Office action for a list of the certified copies not received.						
Attachmen	f/e)					
1) Notic	te of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper No(s)/Mail Date.				

LC Date of Trade and Office	
Paper No(s)/Mail Date	6) Other:
3) Information Disclosure Statement(s) (PTO/SE/08)	5) Notice of Informal Patent Application
2) I Notice of Dialisperson's Faterit Diawing Neview (F10-940)	

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group 1, claim(s) 15, 17 and 23, drawn to a plastic recycling process including a specific number of processes.

Group 2, claim(s) 15, 18, and 19, drawn to plastic recycling process including separating by type or grade.

Group 3, claim(s) 15, 20, 21 and 22, drawn to a plastic recycling process including a specific infeed.

Group 4, claim(s) 15, 24-26, and 56, drawn to plastic recycling process including blending or mixing of outputs.

Group 5, claim(s) 15, 27-29, 31, 43, 44, drawn to a plastic recycling process including size reduction techniques.

Group 6, claim(s) 15, 30, 43, 44, drawn to plastic recycling process including an air aspiration pretreatment.

Group 7, claim(s) 15, 32, 33, 35-38, 43, 44, drawn to a plastic recycling process including gravity concentration.

Group 8, claim(s) 15 and 34, drawn to plastic recycling process including separating by hydrocyclone.

Group 9, claim(s) 15, 39-44, drawn to a plastic recycling process including thickness or friction separation.

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Group 10, claim(s) 15, 45-53, 57, 59, 60, drawn to plastic recycling process including triboelectrostatic separation.

Group 11, claim(s) 15, 54, 55, and 67, drawn to a plastic recycling process including a specific infeeds and output products.

Group 12, claim(s) 15, 62-64, drawn to plastic recycling process including extrusion.

Group 13, claim(s) 15, 65, 66, drawn to a plastic recycling process including a separation of bromine.

Group 14, claim(s) 15 and 68, drawn to plastic recycling process including a specific unique set and order of process steps.

Group 15, claim(s) 15 and 69, drawn to plastic recycling process including a specific unique set and order of process steps.

Group 16, claim(s) 15 and 70, drawn to plastic recycling process including a specific unique set and order of process steps.

Group 17, claim(s) 15 and 71, drawn to plastic recycling process including a specific unique set and order of process steps.

- 2. The inventions listed as Groups 1-17 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Claim 15 describes a general plastic recycling process or the creation of a recycling process which is known and not considered a special technical feature. Therefore each subset of claims directed to different details of the process set forth their own technical feature as outlined above.
- 3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

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The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Hageman whose telephone number is (571) 272-3027. The examiner can normally be reached on M-F 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Mackey can be reached on (571) 272-6916. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patrick H. Mackey/ Supervisory Patent Examiner, Art Unit 3653

MCH